

# Arizona Department of Water Resources Information Management Unit

PO Box 36020 • Phoenix, Arizona 85067-36020 (602) 771-8527 • 602-771-8500

### Well Driller Report and Well Log

# THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK
FEB 1 4 2017

FILE NUMBER
D(4-9) 28 BDD
WELL REGISTRATION NUMBER
55 - 226473
PERMIT NUMBER (IF ISSUED)

SECTION 1. DRILLII	NO AUIN	CILIZATION	<del></del>			WR						
Drilling Firm	200 T 100 T 100 T			I sus us-us-us								
	ND INC			DWR LICENSE NU	MBEK							
.0	WE, INC.			823								
ADDRESS				TELEPHONE NUM	BER							
1200 W. SAN				480-558-3500								
	CITY/STATE/ZIP											
GILBERT, AZ,	, 85233											
SECTION 1. REGIST	TRY INFO	RMATION										
Well Owner				Location of V	/ell							
FULL NAME OF COMPANY, OR	RGANIZATION,	OR INDIVIDUAL		WELL LOCATION AL	DRESS (IF ANY)							
FLORENCE COPPER, I	NC.			Same as	Well Own	er						
MAILING ADDRESS		TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACR					
1575 W. HUNT HWY		45	9E	28	NW 1/4	SE 1/4	SE					
CITY/STATE/ZIP				LATITUDE			LONGITUDE	1/4				
FLORENCE, AZ, 85132				111	26	14.6 N	33	3	12.9			
CONTACT PERSON NAME AND	TITLE						33					
Ian Ream, Senic		aulogist		METHOD OF LATITU				GPS: Hand				
	JI III GI			USGS Quad Map		Conventional Survey		*GPS: Surve	y-Grade			
	ELEPHONE NUMBER FAX				LAND SURFACE ELEVATION AT WELL							
520 374-3984						1392.3		Feet Abov	e Sea Level			
WELL NAME (e.g., MW-1, PZ-3,	lot 25 Well, Sm	ith Well, etc.)		METHOD OF ELEVA	TION (CHECK ONE			Y *GPS: Hand	-Held			
M20-0 (R)				USGS Quad Map	П	Conventional Survey		GPS: Surve				
1120 0 (11)					Mary Control of the C				, 0.000			
				*IF GPS WAS USED.	GEOGRAPHIC CO	ORDINATE DATUM (	CHECK ONE)					
				▼ NAD-83 □ C	ther (please specify)							
				COUNTY		ASSESSOR'S I	PARCEL ID NUM	MBER (MOST RE	CENT			
						воок	I MAP		RCEL			
				Pinal		200	31		054A			
SECTION 3. WELL	CONSTRU	CTION DET	MIS									
Drilling Method				I Development		Method of S	Sealing at I	Reduction	Pointe			
CHECK ONE			CHECK ONE			CHECK ONE	seaming at i	Reduction	Foints			
☐ Air Rotary			☑ Airlift			None						
Bored or Augered			Bail			Packed						
Cable Tool			☐ Surge Block			Swedged						
Dual Rotary			Surge Pump			Welded						
Mud Rotary			Other (please s	enecify)		Other (plea	no procify)					
Reverse Circulation			Li Other (please s	specify)		□ Otrier (bies	ise specify)					
Driven			Condition of W	/ell		Construction	n Dates					
Jetted			CHECK ONE			DATE WELL CON		ARTED				
	Air Percussion / Odex Tubing					1/8/17						
					-	DATE WELL CON	STRUCTION OF	MOLETED				
			Pump Installed			1/16/1		MPLEIED				
						1/10/1						
I state that this notice is fi	iled in comm	liance with A E	S & 45-506 and in	complete and as-	of to the best of	muslement d						
GNATURE OF QUALIFYING PAR		marios Willi M.M	.o. y 40-030 and IS	complete and corre	AND DESCRIPTION OF THE PARTY OF		and belief.					
S. S. O. L. O. J. GOALIF I ING PAP						DATE						
1 1	_					2.9	-17					

### Well Driller Report and Well Log

WELL REGISTRATION NUMBER 55 - 226473

SECTION 4.	WELL CONSTRUC	TION DESIGN (	AS BUILI	D) (attac	ch addition	nal page if needed)	
Depth							
DEPTH OF BORING	520	Feet Below Land S		PTH OF CO	MPLETED WELL	510	Feet Below Land Surface
Water Level	Information						
STATIC WATER LEVEL		DATE MEASURED	TIME MEAS	SURED	IF FLOWING W	ELL, METHOD OF FLOW REGULATION	
215	Feet Below Land Surface	1.15.17	9:00A	M	□Valve	Other:	

	Boreh	ole						In	stalled Casi	ing						
DEF FR	MC		FR	PTH OM			MATER	IAL TY	PE (T)		PERFORATION TYPE (T)					
FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	FROM (feet)	TO (feet)	OUTER (inches)	STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE (inches)
0	20	17.5	+1	20	10.74	х								- 5.5		
20	520	9.875	+2	470	5.5		х			х						123
			470	500	5.5		х							х		.060
			500	510	5.5		х			х						

									Installed Annular Material			
	FROM							ANNU	JLAR MATERIAL TYPE (T)		FILT	ER PACK
SUR	URFACE		DENTONITE			ENTO	NITE					
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTON!TE GROUT	GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
0	448				х		1					
448	460									x		10/20
460	520							120			x	6x9

M SURFACE	Description	Check (T) every interval where wate
TO (feet)	Describe material, grain size, color, etc.	interval where wate was encountered (if known)
75	Upper Basin Fill Alluvium	
85	Alluvium with High Clay	
300	Alluvium Sands and Gravels - Reddish Brown	
320	Middle Fine Grained Unit - Lacustrine Clay Layer	
355	Lower Basin Fill Conglomerant - Brown	
520	Precambrian Quarts Monzonite - Limonite Stained	
	75 85 300 320 355	TO (reet)  Description Descrip

### Well Driller Report and Well Log

WELL REGISTRATION NUMBER 55 - 226473

SECTION 6. WELL SITE PLAN			
NAME OF WELL OWNER	COUNTY ASSESSOR	R'S PARCEL ID NUMBER (MOS	T RECENT)
FLORENCE COPPER, INC.	воок 200	MAP 31	PARCEL 054A

- Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- Please indicate the distance between the well location and any septic tank system or sewer system.

			W E  1" = ft
			1" = ft

Run Date: 10/11/2016

## AZ DEPARTMENT OF WATER RESOURCES **WELL REGISTRY REPORT - WELLS55**

Well Reg.No

Location D 4.0 9.0 28 B D D 55 - 226473

AMA PINAL AMA

Registered

FLORENCE COPPER, INC.

Name

1575 W. HUNT HWY

File Type NEW WELLS (INTENTS OR APPLICATIONS)

Application/Issue Date 10/04/2016

**FLORENCE** 

AZ 85132

Owner OWNER

Driller No. 823

Driller Name NATIONAL EWP, INC.

**Driller Phone** 480-558-3500

County PINAL

Parcel No. 200-31-054A

**Intended Capacity GPM** 

20.00

Well Type ENV - MONITOR

SubBasin ELOY

Watershed UPPER GILA RIVER

Registered Water Uses MONITORING Registered Well Uses MONITOR

Discharge Method NO DISCHARGE METHOD LISTED

Power NO POWER CODE LISTED

**Well Depth** 0.00 Case Diam 0.00 Tested Cap 0.00 Pump Cap. 0.00 Case Depth 0.00 CRT

**Draw Down** 0.00 Water Level 0.00 Log

Acres Irrig 0.00 Finish NO CASING CODE LISTED

Contamination Site: NO - NOT IN ANY REMEDIAL ACTION SITE

Tribe: Not in a tribal zone

Comments Replacing 55-555829

M20-0(R) KC

**Current Action** 

10/11/2016

555 **DRILLER & OWNER PACKETS MAILED** 

Action Comment: kc

**Action History** 

10/11/2016

550 DRILLING AUTHORITY ISSUED

Action Comment: kc

10/4/2016

155 NOI RECEIVED FOR A NEW NON-PRODUCTION WELL

Action Comment: kc

### ARIZONA DEPARTMENT OF WATER RESOURCES

1110 W. Washington St. Suite 310 Phoenix, Arizona 85007

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-226473

AUTHORIZED DRILLER: NATIONAL EWP, INC.

LICENSE NO: 823

NOTICE OF INTENTION TO DRILL ENV - MONITOR WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: FLORENCE COPPER, INC. 1575 W. HUNT HWY FLORENCE, AZ, 85132

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SE 1/4 of the SE 1/4 of the NW 1/4 Section 28 Township 4.0 SOUTH Range 9.0 EAST

NO. OF WELLS IN THIS PROJECT: 1

ASSESSOR'S PARCEL NO: 200-31-054A

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF October 5, 2017

Sella munillo

**GROUNDWATER PERMITTING AND WELLS** 

THE DRILLER MUST FILE A LOG OF THE WELL WITHIN 30 DAYS OF COMPLETION OF DRILLING.



### ARIZONA DEPARTMENT of WATER RESOURCES

1110 W. Washington St. Suite 310 Phoenix, AZ 85007 602-771-8500 azwater.gov

October 11, 2016

FLORENCE COPPER, INC. 1575 W. HUNT HWY FLORENCE, AZ 85132

Registration No. 55- 226473 File Number: D(4-9) 28 BDD

Dear Well Applicant:



DOUGLAS A. DUCEY Governor

THOMAS BUSCHATZKE Director

Enclosed is a copy of the Notice of Intention to Drill (NOI) a well which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed, or made available for download, a drilling authorization card to your designated well drilling contractor. The driller may not begin drilling until he/she has received the authorization, and must keep it in their possession at the well site during drilling. Although the issuance of this drill card authorizes you to drill the proposed well under state law, the drilling of the well may be subject to restrictions or regulations imposed by other entities.

Well drilling activities must be completed within one year after the date the NOI was filed with the Department. If drilling is not completed within one year, a new NOI must be filed and authorization from this Department received before proceeding with drilling. If the well cannot be successfully completed as initially intended (dry hole, cave in, lost tools, etc.), the well must be properly abandoned and a Well Abandonment Completion Report must be filed by your driller [as required by A.A.C. R12-15-816(F)].

If you change drillers, you must notify the Department of the new driller's identity on a Request to Change Well Information (form 55-71A). Please ensure that the new driller is licensed by the Department to drill the type of well you require. A new driller may not begin drilling until he/she receives a new drilling authorization card from the Department.

If you find it necessary to change the location of the proposed well(s), you may not proceed with drilling until you file an amended NOI with the Department. An amended drilling authorization card will then be issued to the well drilling contractor, which must be in their possession before drilling begins.

Arizona statute [A.R.S. § 45-600] requires registered well owners to file a Pump Installation Completion Report (form 55-56) with the Department within 30 days after the installation of pumping equipment, if authorized. A blank report is enclosed for your convenience. State statute also requires the driller to file a complete and accurate Well Drillers Report and Well Log (form 55-55) within 30 days after completion of drilling. A blank report form was provided to your driller with the drilling authorization card. You should insist and ensure that all of the required reports are accurately completed and timely filed with the Department.

Please be advised that Arizona statute [A.R.S. § 45-593(C)] requires a registered well owner to notify the Department of a change in ownership of the well and/or information pertaining to the physical characteristics of the well in order to keep this well registration file current and accurate. Any change in well information or a request to change well driller must be filed on a Request to Change Well Information form (form 55-71A) that may be downloaded from the ADWR Internet website at www.azwater.gov.

Sincerely,

Groundwater Permitting and Wells Section



#### Arizona Department of Water Resources Water Management Division P.O. Box 36020 Phoenix, Arizona 85067-6020 (602) 771-8500 • (602) 771-8690 · www.azwater.gov ·

Notice of Intent to Drill, Deepen, or Modify a Monitor / Piezometer / Environmental Well

\$ 100
EEE
FEE

Pina (	PiN	SB []
10-4-2016	NS DS	
10-6-2016	WOAR	CERCLA

FILE	NUMBER		
D/4.	-9)78	BDD	)
WELI	REGIST	RATION	NUMBER
55 -	271	14	73

Review instructions prior to completing form in black or blue ink.

You must include with your Notice:

\$150 check or money order for the filing fee.

Well construction diagram, labeling all specifications listed in

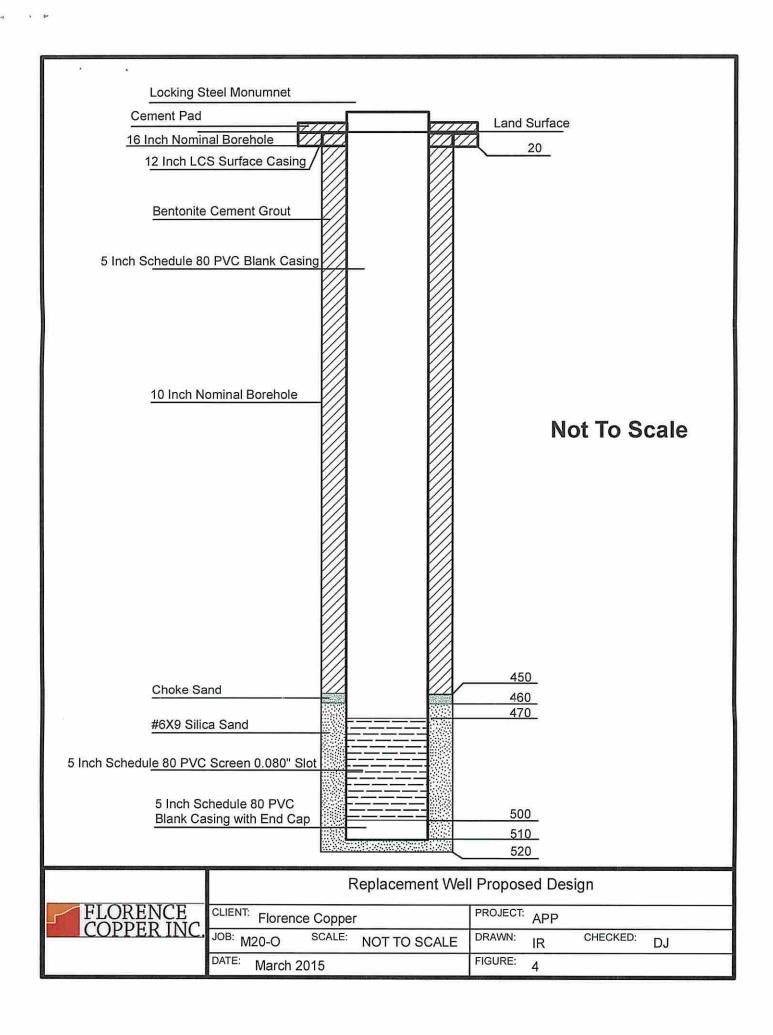
Authority for fee: A.R.S. § 45-596 and A.A.C. R12-15-104.

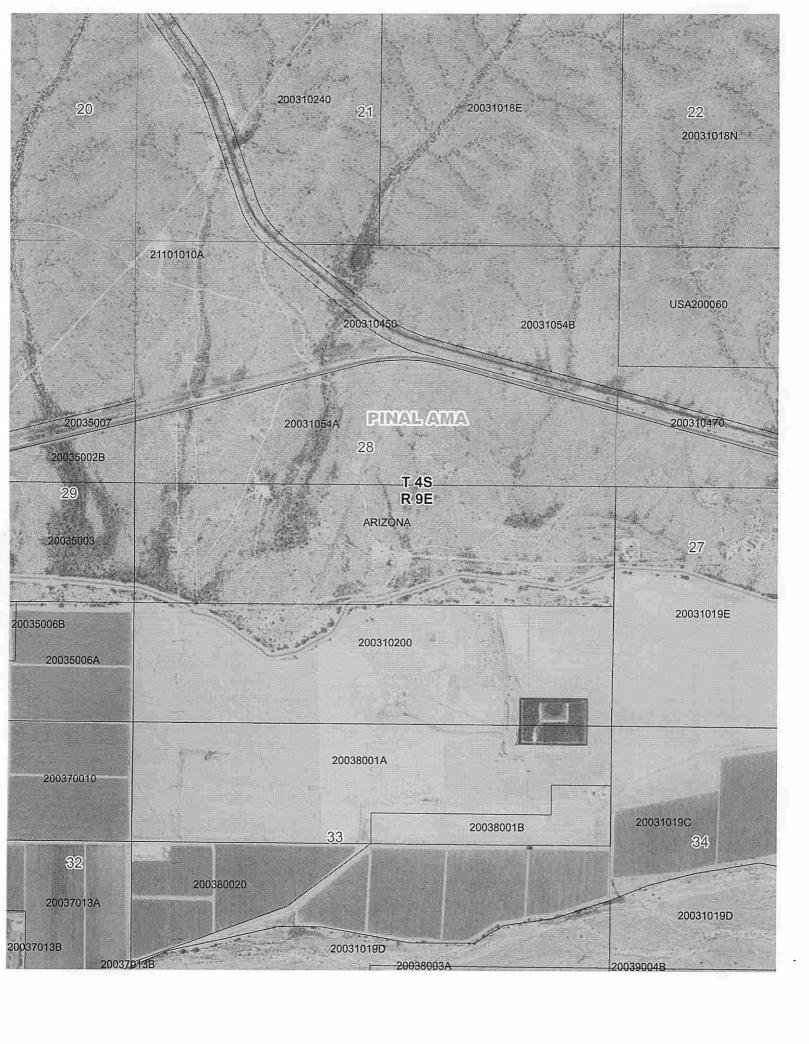
\*\* DI EASE DRINT CLEARLY \*\*

** PLEASE PRINT CLEARL	Y **									
SECTION 1. REGISTRY IN	IFORMATION									
Well Type	Proposed Action			tion of Well						
CHECK ONE	CHECK ONE			OCATION ADDRESS (IF ANY)						
■ Monitor	☐ Drill New Well			W Hunt Hwy						
☐ Piezometer	Deepen Replace	00		P(N/S) RANGE (E/W) SECTION 160 ACRE 40 ACRE 10 ACRE						
☐ Vadose Zone		JE	4S	9E   28   NW 1/4   SE 1/4   SE 1/4						
☐ Air Sparging	If Deepening or Modifying:			Y ASSESSOR'S PARCEL ID NUMBER						
Soil Vapor Extraction	WELL REGISTRATION NUMBER		воок							
Other (please specify):	55 - 555829 (replacing	<b>j</b> )	COUNT	Y WHERE WELL IS LOCATED Pinal						
SECTION 2. OWNER INFO	RMATION									
Well Owner			Landowner (if different from Well Owner)							
FULL NAME OF COMPANY, ORGANIZ				AME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL						
	ce Copper Inc.			as Well Owner						
	N Hunt Hwy			GADDRESS						
	ce, AZ 85132		CITY / S	OCT 4 2016						
CONTACT PERSON NAME AND TITLE			CONTA	CT PERSON NAME AND TITLE						
Ian Ream / Senior F	• •			ARIZONA DEPARTMENT						
TELEPHONE NUMBER 520-374-3984	520-374-3999		TELEPI	OF WATER RESOURCES						
SECTION 3. DRILLING AU	ITHORIZATION									
Drilling Firm			Cons	ultant (if applicable)						
National EWP				LTING FIRM						
DWR LICENSE NUMBER	ROC LICENSE CATEGORY		CONTA	CT PERSON NAME						
823	269329 A-4									
TELEPHONE NUMBER 480-558-3500	FAX 480-558-3525		TELEPI	HONE NUMBER FAX						
jstephens	@nationalewp.co	om	E-MAIL	ADDRESS						
SECTION 4.		-	_							
Questions		Yes	No	Explanation:						
Are all annular spaces between borehole for the placement of		Х		2-inch annular spaces are special standards required for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).						
Is the screened or perforated than 100 feet in length?	interval of casing greater		Х	100-foot maximum screen intervals are a special standard for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST).						
Are you requesting a variance in lieu of steel casing in the si			Х	The wells must be constructed in a vault as defined in A.A.C.						
Is there another well name or associated with this well? (e.	identification number	Х		R12-15-801(27). IF YES, PLEASE STATE M20-O (R)						
Have construction plans been Arizona Department of Enviro	coordinated with the	Х		IF YES, PLEASE STATE AGENCY CONTACT & PHONE NUMBER Richard Mendolia (602) 771-4374						
<ol><li>For monitor wells, is dedicate installed?</li></ol>		Х		IF YES, PLEASE STATE DESIGN PUMP CAPACITY 2 0 Gallons per Minute						
7. Is this well a new well located Area AND intended to pump remediating groundwater?	water for the purpose of		х	IF YES, UNLESS THE WELL IS A REPLACEMENT WELL AND THE TOTAL NUMBER OF OPERABLE WELLS ON THE SITE IS NOT INCREASING, YOU MUST ALSO FILE A SUPPLEMENTAL FORM A.R.S. § 45-454(C) & (F). (See instructions)						
<ol><li>Will the well registration number cover or on the upper part of</li></ol>		Х		IF NO, WHERE WILL THE REGISTRATION NUMBER BE PLACED?						

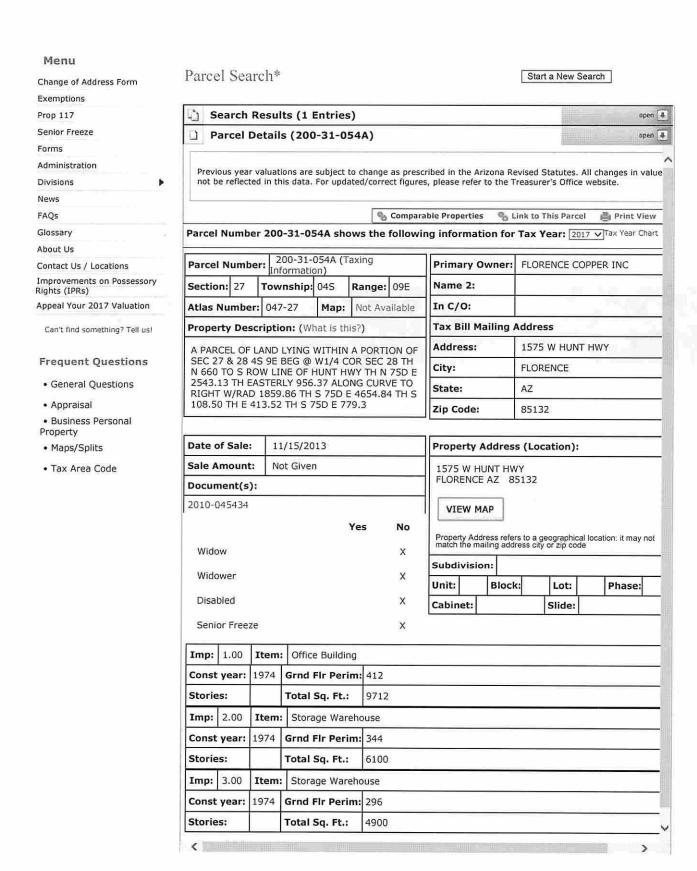
WELL	REGISTRATION NUMBER
10000	771 477

SECTION 5. WELL CONSTRUCTION DI							DETAILS															
Drill Met							Method of Well Development				Grout Emplacement Method											
CHECK ONE  Air Rotary  Bored or Augered  Cable Tool  Dual Rotary  Mud Rotary  Reverse Circulation  Driven  Jetted  Air Percussion / Odex Tubing  Other (please specify):  DATE CONSTRUCTION TO BEGIN  April/2015						Me	ethod ECK ON Non Weld Swe	ge Block ge Pump er (please spe of Sealing e e ded dged	at	Red	luc	tion Points	S	Urfa	other ace	or or or M	Cor	ndu nt in	ctc	or Ca		
SECTIO	N 6. PRC	POS	SED	WE	LL C	CON	STF	TRUCTION PLAN (attach additional page if needed)														
Attach a v	well constru	uction	า dia	gram	labe	ling	all sp	Il specifications below.														
	Borehol	е			Щ.		Casing															
DEPTH SURF					D	SUR	FACE			-	MAT	ERI	AL TYPE (T)	PERFORATION TYPE ( T )					1			
FROM (feet)	TO (feet)	DIA	REHO METE nches	R	FRC (fee			TO feet)	OUTER DIAMETER (inches)	STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE		Ξ,	SLOT SIZE IF ANY (inches)
0	20		16 -1				1	20	12	х				х								
20	520		10	0 -3					5 9/16		Х			х								
	470 500			5	00 10	5 9/16		х			x				Х				0.08" 470 to 500			
									Annular		31555									- 2		
DEPTH SURI	11/4 15/34/34/34				E1211	DE	NTON		INULAR MATER	IAL	TYPE	(T	)							)	ILTE	R PACK
FROM (feet)	TO (feet)	NONE CONCRETE CEMENT GROUT CEMENT-BENTONITE GROUT GROUT GROUT GROUT				CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL,  DESCRIBE  BY  OF  DESCRIBE					SIZE									
0	20			X																		
20	450				Х																	
450	510																		Х			#6x9
IF THIS WELL HAS NESTED CASINGS, SPECIFY NUMBER OF CASING STRINGS None							EXPECTED DEPTH TO WATER 212 feet bgs Feet Below Ground Surface						Ground Surface									
SECTIO	N 7. OPT	ION	AL I	3Y P	ROP	PER	TY (	NWC	R AND WE	ELL	. 01	NN	ER ONLY									
	y checking easuremer								permission to	ent	ter t	he p	property for the	pu	rpo	se o	f tal	king	wate	er le	evel	
12-0-2-20-20-20-20-20-20-20-20-20-20-20-2	THE PERSON NAMED IN COLUMN		ALC: NO.	-	Section 1	10 1200	V/A/	5-C-1+E70 C	OWNER SI		STATE OF THE PARTY.	22233	<u> </u>									
				n con	nplia	nce v	with .	A.R.S.	§ 45-596 an	d is	con	nple	ete and correct	to	he i	best	of I	my F	know	led	ge a	nd belief.
Ian R		Seni	or I	Hydr	ogeo	olog	ist			SIGNATURE OF WELL OWNER 9-26-16												
TYPE OR PRINT NAME AND TITLE  Ian Ream Senior Hydrogeologist								g	IGN,	ATO	E OF LANDOWN	IER,	IF A	PPLI	CABI	E (S	EEIN	7 .		ons) date 2016		





m looking for	Q



Parcel Size:	230.48						
Size Indicator:	Acres						
Tax Area Code:	0125 (Rates current as of 2013)						
Use Code:	3070						
Land Legal Class:	0112L - Commercial / Real and Improvements						
Impr. Legal Class:	0112I - Commercial / Real and Improvements						
Full Cash Value (FCV):	\$922,042.00	S COMPARABLE PROPERTIES					
Limited Value (LPV):	\$922,042.00						
Real Property Ratio:							
Assessed FCV:	\$151,670.00						
Assessed LPV:	\$151,670.00						

ttached Personal Property:	No Personal Property Listed	
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\*The data presented on this website is deemed reliable but not guaranteed. This information should be used for informational use only and does not constitute a legal document for the description of these properties. The Pinal County Assessor's Office disclaims any responsibility or liability for any direct or indirect damages resulting from the use of this data.



Printed: 10/4/2016 12:56:35 PM

## **Arizona Department of Water Resources**

1110 West Washington Street, Suite 310 Phoenix AZ 85007

Customer:

FLORENCE COPPER INC. 1575 W HUNT HWY FLORENCE, AZ 85132

Receipt #:

17-47661

Office:

MAIN OFFICE

Receipt Date: 10/04/2016

Sale Type:

IN\_PERSON

Cashier:

WRPXA

Item No.	Function Code	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67488	122221	4439-TT	Notice of intention to drill a well other than a well described in subsection (A)(1)(h) of this Section		1	150.00	150.00
		140			RECEIPT	TOTAL:	150.00

Payment type: CHECK

Amount Paid: \$150.00

Check # 10763

Payment Received Date: 10/04/2016

Notes: FROM TTA.

FLUNENCE CUFFER INC.

ARI	ZONA DEPARTMENT (	OF WATER RESOURCES	Fax No.	CHEQUE DATE: 9/21/2019 S 1 0 7 6 3
ER	INVOICE DATE	GROSS AMOUNT	DISCOUNT TAKEN	NET AMOUNT PAID
	9/16/2016	150.00	0.00	150.00
Þ	9/16/2016	150.00	0.00	150.00
		1		
		8		
63	TOTAL 🛶	300.00	0.00	300.00
	Þ	9/16/2016 9/16/2016	9/16/2016 150.00 9/16/2016 150.00	INVOICE DATE   GROSS AMOUNT   DISCOUNT TAKEN